

TA800

Low Loss Phase Stable Cable Assembly DC~18GHz



Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

Specifications

Electrical

Operating Frequency	DC~18GHz
Cutoff Frequency	18GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	2500V, DC
Phase Stability	<750ppm@-55°C~+85°C

Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	39.00 mm
Min Bending Radius/Repeated	79.00 mm
Weight	130g/m

Attenuation@25°C & Power@40°C(sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	14.7	21	26	37.3	43.4	48.8	54.8	62.8	67
Power Handling(W)	2303	1614	1309	912	783	696	620	541	507

Construction

Inner Conductor	Solid Silver-plated Copper	2.30 mm
Dielectric	Low Density PTFE	6.20 mm
Inner Shield	Silver-plated Copper Tape	6.44 mm
Outer Shield	Silver-plated Copper Braid	7.20 mm
Jacket	FEP	7.90 mm

Outline



Ordering Information

TA800 - 18 - NFN F - 1
Cable
Operating Frequency(GHz)
RF Connectors(N:type-N)
NN: N male to N male
NNF: N male to N female
NFNF: N female to N female
Overall Length(meter(s))